## INTERNATIONAL SEARCH REPORT

Internal Application No PCT/EP2005/000867

A. CLASSIFICATION OF SUBJECT MATTER B01J23/44 B01J19/00 C07C45/32 B01J23/644 C07C45/65 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) CO7C B01J Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) **EPO-Internal** C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Citation of document, with indication, where appropriate, of the relevant passages Category ° 1-16,20. US 6 337 424 B1 (KARIM KHALID ET AL) X 8 January 2002 (2002-01-08) 24,27 column 2, line 19 - line 39; claims 1,3; examples 1-3 1-16,24US 3 940 329 A (WILHELM ET AL) χ 24 February 1976 (1976-02-24) column 3, line 40 - line 41 claims 1,8; example 1 1-16,20, US 4 246 202 A (CIHONSKI ET AL) X. 24,27 20 January 1981 (1981-01-20) claim 1; examples 1,3 1 - 15US 2001/001805 A1 (BROWN SCOTT H ET AL) X 24 May 2001 (2001-05-24) claim 1; example 4; table VII Patent family members are listed in annex. Further documents are listed in the continuation of box C. Special categories of cited documents: \*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the \*A\* document defining the general state of the art which is not considered to be of particular relevance \*E\* earlier document but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone filing date document which may throw doubts on priority claim(s) or which is clied to establish the publication date of another citation or other special reason (as specified) 'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docudocument referring to an oral disclosure, use, exhibition or ments, such combination being obvious to a person skilled in the art. other means document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the International search report 0 1 02 06 18 January 2006 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 Holzwarth, A

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ted 1-18,20, 21,24, 21,24, 25,27 LSEVIER 25,27 bles 1,5
1-18,20, 21,24, 25,27
ANJAY ET 1-16,20, ) 24,27 ims 1,3,4;
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## INTERNATIONAL SEARCH REPORT

Inti anal Application No PCT/EP2005/000867

		FC1/EF2005/000867	
C.(Continua	ation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
X	US 4 139 495 A (ANTOS ET AL) 13 February 1979 (1979-02-13) column 1, line 14 - line 33; claims 1,4,5	1-16,24, 27	
Ά	US 6 433 229 B1 (FISCHER ROLF ET AL) 13 August 2002 (2002-08-13) cited in the application		
A	RUTH K ET AL: "Mo-V-Nb Oxide Catalysts for the Partial Oxidation of Ethane - I. Preparation and Structural Characterisation" JOURNAL OF CATALYSIS, ACADEMIC PRESS, DULUTH, MN, US, vol. 175, no. 1, 1 April 1998 (1998-04-01), pages 16-26,		
	XP004465688 ISSN: 0021-9517		
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## INTERNATIONAL SEARCH REPORT

iformation on patent family members

Interplonal Application No PC1/EP2005/000867

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 6337424	B1	08-01-2002	AT DE WO EP JP US	309040 T 60114793 D1 0183106 A2 1276561 A2 2003531874 T 2002058847 A1	15-11-2005 15-12-2005 08-11-2001 22-01-2003 28-10-2003 16-05-2002
US 3940329	Α	24-02-1976	NONE		
US 4246202	Α	20-01-1981	NONE		
US 2001001805	A1	24-05-2001	WO US	9837966 A1 6127310 A	03-09-1998 03-10-2000
US 6127310	Α	03-10-2000	WO US	9837966 A1 2001001805 A1	03-09-1998 24-05-2001
US 4518796	A	21-05-1985	DE FR GB	3018071 A1 2456723 A1 2051056 A	20-11-1980 12-12-1980 14-01-1981
US 2003013904	A1	16-01-2003	US	2004030202 A1	12-02-2004
US 4139495	Α	13-02-1979	บร	4139570 A	13-02-1979
US 6433229	B1	13-08-2002	CN DE WO EP ES JP	1343191 A 19911169 A1 0055108 A1 1161409 A1 2204527 T3 2002539180 T	03-04-2002 14-09-2000 21-09-2000 12-12-2001 01-05-2004 19-11-2002